Interponal Application No
PCT/EP2004/012459

A. CLASSIFI IPC 7	GO1N33/574 C12Q1/68		
	International Patent Classification (IPC) or to both national classification	and IPC	
B. FIELDS S	SEARCHED cumentation searched (classification system followed by classification system)	ymbols)	
IPC 7	GO1N C12Q		
Documentati	on searched other than minimum documentation to the extent that such	documents are included in the fields sea	arched
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	ata base consulted during the international search (name of data base a	and where practical search terms used)	
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EPO-In	ternal, BIOSIS, WPI Data, EMBASE:		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.
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		Y Patent family members are listed	In annex.
	rther documents are listed in the continuation of box C.	<u></u>	
° Special	categories of cited documents:	T* later document published after the in or priority date and not in conflict will	n ing addication par
*A* docu	ment defining the general state of the art which is not sidered to be of particular relevance	cited to understand the principle or t invention	neory underlying the
'E' earlie	er document but published on or after the International	X° document of particular relevance; the	
	g date ment which may throw doubts on priority claim(s) or	involve an inventive step when the	ocument is taken alone
1 subl	ch is ciled to establish the publication date of another tilon or other special reason (as specified)	'Y" document of particular relevance; the cannot be considered to involve an	
"O" docu	rment referring to an oral disclosure, use, exhibition or	document is combined with one or rements, such combination being obv	lous to a person skilled
P' docu	er means Iment published prior to the International filing date but Ir than the priority date claimed	In the art.  *&* document member of the same pate	nt family
	he actual completion of the International search	Date of mailing of the International s	earch report
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	2 March 2005	Authorized officer	
Name ar	nd mailing address of the ISA	Anthoused ourses	
	European Patent Office, P.B. 5816 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016	Thumb, W	

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AND	
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)		
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:		
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  Article 52 (2)(d) EPC - Presentation of information		
The claims were only searched with regards to the underlying method of generating a reference data base for distinguishing immunologically defined  2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:		
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box ill Observations where unity of invention is lacking (Continuation of item 3 of first sheet)		
This International Searching Authority found multiple inventions in this international application, as follows:		
see additional sheet		
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.		
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.		
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:		
A. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report Is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:  1-27 (partially)		
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.		

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Article 52 (2)(d) EPC - Presentation of information

The claims were only searched with regards to the underlying method of generating a reference data base for distinguishing immunologically defined ALL subtypes.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-27 (partially)

A method for distinguishing mature B-ALL from all other subtypes of immunologically defined ALL subtypes, the method comprising determining the expression level of the marker CD99. Use of said marker for the manufacture of a diagnostic. A diagnostic kit containing said marker and an apparatus comprising a reference data bank, wherein the reference data bank is obtainable by determining the expression level of CD99.

2. claims: 1-27 (all partially)

Inventions 2-1050
Methods for distinguishing immunologically defined ALL subtypes Pro-B-ALL, c-ALL, Pre-B-ALL, c-ALL/Pre-B-ALL, mature B-ALL, precursor B-ALL, Pro-T-ALL, Pre-T-ALL, cortical T-ALL, mature T-ALL and/or T-ALL and methods for distinguishing specific subtypes against all other subtypes and against each other, the method comprising determining individually the expression level of the markers listed in tables 1.1, positions 2-50, tables 1.2-1.6 and in table 2. Use of said markers for the manufacture of diagnostics. Diagnostic kits containing said markers and apparatus comprising a reference data bank, wherein the reference data bank is obtainable by determining the expression levels of said markers.

formation on patent family members

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